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- 1** [Audio watermarking for monitoring and copy protection](#)  
 Jaap Hailtsma, Michiel van der Veen, Ton Kalker, Fons Bruekers  
 November 2000 **MULTIMEDIA '00**: Proceedings of the 2000 ACM workshop  
**Publisher:** ACM [Request Permissions](#)  
 Full text available: Pdf (313.49 KB) Additional Information: [full citation](#), [abs](#)  
**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 66, Download

Based on existing technology used in image and video watermarking, w  
 technique. The embedding algorithm operates in frequency domain, wh  
 are slightly modified. ...

**Keywords:** audio, broadcast monitoring, copy protection, watermark d

- 2** [The advanced access content system's use of digital watermarking](#)  
 Jeffrey Lotspiech  
 October 2006 **MCPS '06**: Proceedings of the 4th ACM international workshc  
**Publisher:** ACM [Request Permissions](#)  
 Full text available: Pdf (83.08 KB) Additional Information: [full citation](#), [abs](#)  
**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 63, Downloa

The Advanced Access Content System (AACS) is the copy protection sch  
 DVD movies. Fundamentally, AACS is based on crypto-graphic principles  
 watermarking: first ...

**Keywords:** AACS, broadcast encryption, content protection, encryption

- 3** [PlataJanus: an audio annotation watermarking framework](#)  
 Jana Dittmann, Martin Steinebach  
 October 2001 **MM&Sec '01**: Proceedings of the 2001 workshop on Multime  
**Publisher:** ACM [Request Permissions](#)  
 Full text available: Pdf (545.27 KB) Additional Information: [full citation](#), [abs](#)  
**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 20, Downloa


The focus of audio watermarking research in recent years have been co  
 mechanisms. Therefore the robustness and security of audio watermark  
 parameters. Transparency, payload and ...

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**Keywords:** annotation, audio watermarking, business models, framework

#### 4 [Secure delivery of handwritten signature](#)

 [Samir Kumar Bandyopadhyay, Debnath Bhattacharyya, Anindya Jyoti Pal](#)

October 2006 **Ubiquity**, Volume 2006 Issue October

**Publisher:** ACM

Full text available:  [Html](#)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Download

A number of researchers have proposed using digital marks to provide copyright property. One way of data hiding is digital signature, copyright label or characterizes the person ...


**Keywords:** HSEA, HSIA, decoder, encoder, formatter and comparator

#### 5 [Comparing the usage of digital rights management systems in the music industry](#)

 [Marc Fetscherin, Matthias Schmid](#)

September 2003 **CEC '03: Proceedings of the 5th international conference**

**Publisher:** ACM

Full text available:  [Pdf \(212.60 KB\)](#)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 63, Downloads (12 Months): 367, Download

The business of content providers is being threatened by technology advances such as the Internet or peer-to-peer file sharing systems. The result is a shift on-line as well ...


**Keywords:** digital content, digital content distribution, digital rights management

#### 6 [A four-layer model for security of digital rights management](#)

 [Eric Dient](#)

October 2008 **DRM '08: Proceedings of the 8th ACM workshop on Digital rights**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(2.62 MB\)](#)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 301, Download

Defining Digital Rights Management (DRM) is a complex task. There is no legal, economic, functional, and technical definitions. This complexity in modeling of DRM. Each ...


**Keywords:** digital rights management, drm, dtcp, dvb, oma, rights enforcement

#### 7 [Audio watermarking algorithm for real-time speech integrity and authentication](#)

 [Song Yuan, Sorin A. Huss](#)

September 2004 **MM&Sec '04: Proceedings of the 2004 workshop on Multimedia**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(259.52 KB\)](#)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 61, Downlo

Data integrity and source origin authentication are essential topics for r  
method, such as MAC, is not very applicable to overcome the distortion  
communication. In this paper ...

**Keywords:** integrity and source origin authentication, real-time multim  
speech watermarking

#### 8 [Estimation of recording location using audio watermarking](#)

 [Yuia Nakashima, Ryuki Tachibana, Masafumi Nishimura, Noboru Babaguch](#)  
September 2006 **MM&Sec '06**: Proceedings of the 8th workshop on Multim

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (209.98 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 28, Downloa

In this paper, we propose a novel application of audio watermarking, es  
the paper is to determine the seat location in a theater at which a bootl  
camera. In the ...

**Keywords:** bootleg, digital audio watermarking, estimation, recording l

#### 9 [Hermite polynomials as provably good functions to watermark white](#)

 [Teddy Furon](#)  
September 2006 **MM&Sec '06**: Proceedings of the 8th workshop on Multim

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (236.27 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 19, Downloa


In the watermark detection scenario, also known as zero-bit watermark  
message, is inserted in content. The watermark detector checks for the  
content. The article looks at ...

**Keywords:** detection theory, pitman noether theorem, watermarking

#### 10 [A survey of RST invariant image watermarking algorithms](#)

 [Dong Zheng, Yan Liu, Jiyong Zhao, Abdulmotaleb El Saddik](#)  
July 2007 **Computing Surveys (CSUR)**, Volume 39 Issue 2

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (5.53 MB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 49, Downloads (12 Months): 564, Downl



In this article, we review the algorithms for rotation, scaling and transla  
There are mainly two categories of RST invariant image watermarking a  
transformed image before conducting ...

**Keywords:** Digital image watermarking, Fourier-Mellin transform, ILPM points, moments, template matching

# 11 [Communications of the ACM: Volume 51 Issue 2](#)


 February 2008 [Communications of the ACM](#)

**Publisher:** ACM

Full text available:  [Digital Edition](#) ,  [Pdf \(3.89 MB\)](#) Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): 215, Downloads (12 Months): 1472, Dov

# 12 [Dynamic graph-based software fingerprinting](#)

 [Christian S. Collberg](#), [Clark Thomborson](#), [Gregg M. Townsend](#)

October 2007 **Transactions on Programming Languages and Systems**

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf \(1.48 MB\)](#) Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 217, Downl

Fingerprinting embeds a secret message into a cover message. In medi copyright notice and the cover a digital image. Fingerprinting an object when such theft has occurred, ...


**Keywords:** Software piracy, software protection, watermarking

# 13 [Publicly verifiable ownership protection for relational databases](#)

 [Yingjia Li](#), [Robert Huijie Deng](#)

March 2006 **ASIACCS '06: Proceedings of the 2006 ACM Symposium on I security**

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf \(332.50 KB\)](#) Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 66, Downlo

Today, watermarking techniques have been extended from the multime protect the ownership of data even after the data are published or distri schemes for relational databases ...

**Keywords:** certificate, ownership protection, public verifiability, relation

# 14 [Invisible watermarking based on creation and robust insertion-extrac](#)

 [Saraju P. Mohanty](#), [Bharat K. Bhargava](#)

November 2008 **Transactions on Multimedia Computing, Communicati Issue 2**

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf \(11.81 MB\)](#) Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 44, Downloads (12 Months): 430, Downl

This article presents a novel invisible robust watermarking scheme for e in an image. The novelty lies in determining a perceptually important su of the watermark ...

**Keywords:** Watermarking, content protection, copyright protection, im

**15** [A secure multicast protocol with copyright protection](#)

 [Hao-hua Chu, Linhan Qiao, Klara Nahrstedt, Hua Wang, Ritesh Jain](#)

April 2002 **SIGCOMM Computer Communication Review**, Volume 32 Is

**Publisher:** ACM

Full text available:  [Pdf](#) (301.97 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 98, Downloa

We present a simple, efficient, and secure multicast protocol with copyr network environment. There is a wide variety of multimedia applications: multicast protocol, e.g., the ...


**Keywords:** copyright protection, key distribution, multicast security, w

**16** [Trustworthy 100-year digital objects: Evidence after every witness is](#)

 [Henry M. Gladney](#)

July 2004 **Transactions on Information Systems (TOIS)**, Volume 22 I

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (1.24 MB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 155, Downl

In ancient times, wax seals impressed with signet rings were affixed to digital counterpart is a message authentication code fixed firmly to each sealed together ...

**17** [Behavioral synthesis techniques for intellectual property protection](#)

 [Farinaz Koushanfar, Inki Hong, Miodrag Potkonjak](#)

July 2005 **Transactions on Design Automation of Electronic System**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (439.81 KB)


Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 190, Downl

We introduce dynamic watermarking techniques for protecting the value compilation tools and reusable design components. The essence of the r and timing constraints which ...

**Keywords:** Intellectual property protection, behavioral synthesis, wate

**18** [Robust correlation of encrypted attack traffic through stepping stone:](#)

 [Xinyuan Wang, Douglas S. Reeves](#)

October 2003 **CCS '03: Proceedings of the 10th ACM conference on Comput**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (331.63 KB)

Additional Information: [full citation](#), [abs](#)


**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 42, Downlo

Network based intruders seldom attack directly from their own hosts, bi

intermediate "stepping stones" to conceal their identity and origin. To be necessary to be able ...

**Keywords:** correlation, intrusion tracing, robustness, stepping stones

## 19 Query-based watermarking for XML data

 Xuan Zhou, HweeHwa Pang, Kian-Lee Tan

March 2007 **ASIACCS '07**: Proceedings of the 2nd ACM symposium on Information security

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (489.34 KB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 66, Downloads

As increasing amount of XML data is exchanged over the internet, copy protection is an important requirement for many applications. In this paper, we introduce a scheme based on digital ...

## 20 A semi-dynamic multiple watermarking scheme for Java applications

 Changjiang Zhang, Jianmin Wang, Clark Thomborson, Chaokun Wang, Chao

November 2009 **DRM '09**: Proceedings of the ninth ACM workshop on Digital Rights Management

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (590.23 KB)

Additional Information: [full citation](#), [abs](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Downloads

Software protection and security has been a more and more important issue. To prevent unauthorized use and modification, a great many techniques have been proposed. This paper addresses this issue through a prevention ...

**Keywords:** multiple watermarking, semi-dynamic, software piracy, software watermarking

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